

# UMass Center for Clinical and Translational Science Newsletter

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Volume 2017  
Issue 3 *UMCCTS Newsletter March 2017*

Article 1

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2017-03-01

## UMCCTS Newsletter, March 2017

UMass Center for Clinical and Translational Science

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### Repository Citation

UMass Center for Clinical and Translational Science . UMCCTS Newsletter, March 2017. *UMass Center for Clinical and Translational Science Newsletter* 2017(3):1065. <https://doi.org/10.13028/6a1z-n342>.

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## CENTER FOR CLINICAL AND TRANSLATIONAL SCIENCE

March 2017 Volume 3, Issue 3

### NEWS



### I-Corps Program at the UMCCTS Spring 2017 Course

**Due to popular demand, we have extended the application  
deadline date to: Friday, March 17, 2017**

The I-Corps Program at the UMCCTS, a joint MassTERi/UMass Center for Clinical and Translational Science initiative, is designed to support the translation of biomedical research by providing early-stage education and strategic guidance to faculty, staff and students during the ideation phase of technology development.

Designed specifically for the biomedical researcher at UMass, it guides interdisciplinary teams through a hands-on process of understanding the market for their technology utilizing a proven customer discovery methodology.

**[Visit our website for complete information and to apply.](#)**

This short course is a pre-cursor to a selective and intense set of courses run by the NIH and NSF and known as I-Corps. The I-Corps Program at the UMCCTS is designed to give teams a feeling if they and their opportunity are ready to apply for the national classes held by the NIH and NSF. This short course maintains the intensity of the full I-Corps program but limits the time commitment.

Questions? [ccts@umassmed.edu](mailto:ccts@umassmed.edu)

**We want your posters!**

## Call for Poster Abstracts



This is a call for posters to be presented during the UMass Center for Clinical and Translational Science 7th Annual Research Retreat. This all day Retreat encompasses the 5 UMass campuses, UMass Memorial Medical Center, Baystate Medical Center, and public health organizations with over 375+ attendees. The Poster Session will provide a forum for researchers to showcase their work.

While posters need not describe completed work, it should report on research for which at least preliminary results are available. We especially encourage poster submission from students, residents, and fellows.

Space is limited! Submit your poster abstract today!

**Deadline for proposal submission: March 30, 2017**

[Learn More](#)

[Visit our Retreat website](#)



## Registration is Now Open for Sequence Analysis Bootcamp

This is a series of lectures on Unix, MGHPCC cluster, R language and bioinformatics tools for molecular biologists. The main goal is to introduce the audience to the basics of bioinformatics with a focus on deep sequencing data analysis using RNA-Seq as an example. No prior computer or programming skills are required to follow the lectures.

[Learn More](#)



### CALL FOR ABSTRACTS

#### *How Digital Health is Revolutionizing Medicine*

#### 1st Annual Conference of the UMass Center for mHealth and Social Media

It is a pleasure to invite you to submit a poster abstract to How Digital Health is Revolutionizing Medicine, the first annual conference hosted by the [UMass Center for mHealth and Social Media](#).

Thursday, May 18, 2017

10:00 am – 3:30 pm

University of MA Medical School, Worcester

Speakers from UMass Medical School, UMass Amherst, Worcester Polytechnic Institute, and Duke University will be presenting state-of-the-art research on mobile apps, devices, wearables, and social media. A panel of experts will discuss the role of academia in pushing the field of digital health forward. The poster session will be held at 11am.

[Learn More](#)



### Request for Proposals UMass–Springfield Community Partnerships Pilot Research Grant Opportunity

The [Center for Research on Families](#) (CRF) and the [Healthy Development Initiative](#) (HDI) at UMass Amherst and UMass

Center at Springfield are pleased to announce a new Community Partnership Research Grant Initiative.

The proposed initiative represents a step in newly emerging commitment to creating and nurturing ongoing collaborations between UMass researchers and community partners in the Springfield area. Project will address pressing concerns identified by Springfield families,

agencies and community leaders with the goal of increasing the health and well-being of Springfield residents.

**Deadline for application submission: March 20, 2017**

[Learn More](#)

## Request for Research Results Sharing Survey

The [CTSA at the University of Arkansas for Medical Sciences](#) is requesting your participation to complete a 10-minute survey about your experiences with returning study results to participants in health research. This survey was developed by an interprofessional team from seven CTSA institutions, and responses will be used to improve understanding of barriers and facilitators involved in returning results to participants.



This survey is directed to health researchers at least 18 years old with a faculty appointment at an academic medical institution who are (or have been) a principal investigator or co-investigator for health research that involves human participants who gave informed consent. You will be asked a few questions at the beginning of the survey to confirm your eligibility.

[Take the Survey](#)

## DID YOU KNOW?

### Congratulations to our Awardees!

#### 2017 Pilot Project Program and Life Sciences Moment Fund

In the Fall of 2016, the UMass Center for Clinical and Translational Science sent out a call for proposals for two pilot grant funding opportunities, the Pilot Project Program (PPP) Award and the UMass Life Sciences Moment Fund (LSMF).

The intent of these two funding opportunities is to speed up the rate of progress to move a research project, clinical finding or other discovery into a broader network of activities, while maximizing the breadth of *interdisciplinary* skills applied to the research question.

Congratulations to the following awardees!

#### Pilot Project Program

**Daryl Bosco, PhD**  
University of MA Medical School

Novel "Nanobodies" as a Diagnostic and Therapeutic for ALS

**Silvia Corvera, MD, MSc**  
University of MA Medical School

Leveraging the Basic Cell Biology of Human Adipose Tissue to Improve Outcomes in Wound Healing and Reconstructive Surgery

**Robert Finberg, MD**  
University of MA Medical School

Breakthroughs in Treating and Preventing Influenza with Single Cell Sequencing

**Ellen M. Gravalles, MD**  
University of MA Medical School

Development of an Innovative Treatment Strategy for Osteoporosis

### Life Sciences Moment Fund

**Nancy Byatt, DO, MS, MBA**  
University of MA Medical School

**Maureen Perry-Jenkins, PhD**  
University of MA Amherst

Adapting and Testing the Feasibility of a Prenatal Intervention for Low-Income Parents

**Celia A. Schiffer, PhD**  
University of MA Medical School

**Sivappa Rasapalli, PhD**  
University of MA Dartmouth

Developing Novel Approach to CARB: Optimization of a UMD Dual Efflux pump-Biofilm Inhibitor (DEBI) Team

**Beth A. McCormick, PhD**  
University of MA Medical School

**David A. Sela, PhD**  
University of MA Amherst

Breast Milk Oligosaccharides Provide a Nitrogen Source for the Developing Gut Microbiome to Impact Neonatal Health

**Doyle Ward, PhD**  
University of MA Medical School

**J. Kevin Donahue, MD**  
University of MA Medical School

**Xingwei Wang, PhD**  
University of MA Lowell

A Catheter Based Temperature Monitoring System for Atrial Fibrillation Ablation Procedures

## EVENTS



## March 2017 Events

### Human Research Protection Program (HRPP) Upcoming Educational Opportunities

### Clinical Research Professionals Group (CRPG) Meetings:



**Thursday, April 13, 2017**  
2:00 - 3:00 pm  
Hiatt Auditorium S1-608

**Tuesday, May 16, 2017**  
1:00 - 2:00 pm  
Hiatt Auditorium S1-608

**Monday, June 12, 2017**  
3:00 - 4:00 pm  
Hiatt Auditorium S1-608

[Learn More](#)

The Healthcare Delivery Institute (HDI) at WPI

*presents*

Innovation Forum Series



## Improving Healthcare Experiences through Systems Engineering, Design, and Data Intelligence

Wednesday, March 29, 2017

7:30 am – 10:00 am

Worcester Polytechnic Institute

60 Prescott Street (Gateway Park)

100 Institute Road

Worcester, MA 01609

[Learn More](#)



## Department of Neurology



RNA  
Therapeutics  
Institute

Joint Seminar

**David Corey, PhD**

Rusty Kelley Professor of Medical Sciences  
Department of Pharmacology and Biochemistry  
UT Southwestern Medical Center

### **Nuclear noncoding RNAs: Molecular mechanisms and therapeutic targets**

Tuesday, April 4, 2017 at 11am

Albert Sherman Center, Room AS4-2072  
Hosts: Robert H Brown, Jr, DPhil, MD, Neurology  
and Jonathan K Watts, PhD, RTI



**HARVARD  
CATALYST**

THE HARVARD CLINICAL  
AND TRANSLATIONAL  
SCIENCE CENTER

**2017 Annual Harvard Catalyst Child  
Health Symposium**

**Putting Kids First: Facilitating Multisite Pediatric Trials**



**April 4, 2017**

**8:00 am – 4:30 pm**

**Joseph B. Martin Conference Center – Rotunda  
Harvard Medical School**

The current research landscape presents a variety of challenges for multisite pediatric research. Our speakers from across the US will share contemporary findings and update Harvard's Child Health Research community on recent developments around multisite pediatric trials.

**Registration is now open until March 28**

[Learn More](#)

**BIOINFORMATICS CORE**

**A Clinical System Overview**

Presented by  
**Tim Tarnowski**  
Senior Vice President and CIO  
UMASS Memorial Health Care  
&  
**Jomol Mathew**  
ACIO, Research Computing and Data Innovation  
UMASS Medical School

**"EPIC, DataLake & Informatics  
Tools for Research"**

Thursday  
April 13, 2017  
11:00 AM

**Albert Sherman Center**  
AS6-2072

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*Host: Manuel Garber, Associate Professor Bioinformatics and Integrative Biology  
Director Bioinformatics Core  
University of Massachusetts Medical School*

### PiPSS Seminar Series

Please join us for the monthly Projects in Process Seminar Series (PiPSS) on:

Thursday, April 13, 2017

3:30 – 5:00 pm

AS7-2072, Albert Sherman Center, UMMS



The PiPSS Seminar Series is designed to give trainees the opportunity to present their work in a forum of peers and faculty with the goal of ensuring the continuous professional feedback and cross-fertilization that is required for excellence in research.

Center for Gerontology Research and Partnerships  
**3<sup>RD</sup> ANNUAL HEALTHY AGING – LIVING WELL FORUM**



**April 21, 2017**

UMass Lowell North Campus  
Lydon Library, Room 110  
84 University Avenue, Lowell

**Save the Date**

8:30-10:00 AM	<b>Registration</b>
9:00-10:00 AM	<b>Keynote Speaker: Alice Bonner, PhD, RN</b> Secretary, Mass. Executive Office of Elder Affairs <i>Aging and Public Health: Making Massachusetts the Most Age-Friendly State</i>
10:00-10:15 AM	<b>Break</b>
10:15-10:45 AM	<b>Interprofessional Student Scholars Panel Presentation</b> <i>Emergency Preparedness for Summit Eldercare PACE Program</i> Participants: Students' Inter-professional Education Experience
10:45-11:00 AM	<b>IPE Q&amp;A</b>
11:00-12:15 PM	<b>Center for Gerontology Research and Partnerships, Research Presentations:</b> <ul style="list-style-type: none"> <li>• <b>Yu Cao, PhD</b> Associate Professor, Co-Director, UMass Lowell Center for Digital Health <i>Smart Sensing for Geriatric Home Health Care</i></li> <li>• <b>Natasha Palacios, PhD</b> Assistant Professor, UMass Lowell Department of Public Health <i>Vitamins and Cognitive Function in Boston Puerto Ricans</i></li> <li>• <b>Guanling Chen, PhD</b> Associate Professor, UMass Lowell Department of Computer Science <i>Automating Cognitive Assessment with Mobile Technology</i></li> <li>• <b>David Turcotte, ScD</b> Research Professor, UMass Lowell Department of Economics <i>Healthy Homes for Older Adults: Multifaceted Interventions for Asthma in the Home</i></li> </ul>
12:15-1:15 PM	<b>Lunch and Networking</b>
1:15-1:30 PM	<b>Wrap-up, Evaluation, and contact Hour Certificates Provided</b>

Sponsored by  
**LARSON**  
FINANCIAL  
PLANNING

**Public Welcome!**

RSVP by Friday, April 7th at [Nursing@uml.edu](mailto:Nursing@uml.edu)  
Please indicate if special parking accommodations are required.





Boston Biomedical Innovation Center

# FAST PITCH FOR FUNDING

## **AT BOSTON CHILDREN'S HOSPITAL**

**ADDRESS:** Karp Research Building  
1 Blackfan Circle  
4th Floor Atrium  
Boston, MA, 02115

**DATE:** APRIL 27, 2017

**TIME:** 10:00 AM - 12:00 PM

**REGISTER ONLINE AT  
[WWW.B-BIC.ORG](http://WWW.B-BIC.ORG)**





## GRAND ROUNDS SERIES

**Friday, May 5, 2017  
1:00 – 2:00 PM**

**Albert Sherman Building, AS9-2072**

### **“The Adventure of Creating a New Kind of Medical School: The Story from Kaiser Permanente”**

**Presented by: UMMS Alumna Christine K. Cassel, MD ‘76  
Alumni Distinguished Service Award Honoree  
Planning Dean of the Kaiser Permanente School of Medicine**



Christine K. Cassel is the Planning Dean of the Kaiser Permanente School of Medicine. Previously, she was the President and CEO of the National Quality Forum. She has also served as president and CEO of the American Board of Internal Medicine and the ABIM Foundation.

Dr. Cassel was one of 20 scientists chosen by President Obama to serve on the President's Council of Advisors on Science and Technology (PCAST). She was the co-chair and physician leader of PCAST reports on health information technology, scientific innovation in drug development and evaluation, systems engineering in healthcare, technology to foster independence and quality of life in an aging population, and safe drinking water systems.

Dr. Cassel graduated from the University of Chicago and completed her MD degree at the University of Massachusetts. She did her residency in internal medicine at Children's Hospital of San Francisco and University of California at San Francisco, where she also was a founder and graduate of the bioethics fellowship program. She was the first fellow in Geriatrics Medicine at the Portland VA Medical Center and Oregon Health Sciences University where she returned as Dean of the Medical School in 2001. She

was formerly chair of the Department of Geriatrics and Adult Development at Mount Sinai School of Medicine, and Chief of General Internal Medicine at the University of Chicago. She is a leading expert in geriatric medicine, medical ethics, health policy and quality of care.

Among her many professional achievements and honors, Dr. Cassel was elected to membership of the National Academy of Medicine in 1992. She was the first female President of the American College of Physicians and, subsequently, Chair of the American Board of Internal Medicine; she has served as Chair of the Board of the Greenwall Foundation, a national foundation in bioethics, was the President of the American Federation for Aging Research, and was a member of the Advisory Committee to the Director at the National Institutes of Health. Dr. Cassel's board service includes serving on the Boards of Kaiser Foundation Health Plan and Hospitals and Premier, Inc. She has received numerous honorary degrees and is a Fellow of the Royal Colleges of Medicine of the U.K. and Canada. She is author of over 200 articles and author or editor of 11 books, including one of the leading textbooks in geriatric medicine, and *Medicare Matters: What Geriatric Medicine Can Teach American Health Care*.

# **NIH Grant Writing Workshop! Save The Date**

**Wednesday, May 10, 2017**

**8:00am – 4:00pm**

**at the**

**University of Massachusetts Medical School**

*Are you applying for a NIH career development ("K") award or your first research ("R") grant?*

This workshop will provide an overview of NIH and the grant review process, including a demonstration of a grant review panel, key steps in writing a grant, and the details of K and R awards. In an interactive session you will work with colleagues to draft an effective specific aims page for your application.

Presenters: Joan M. Lakoski, PhD (West Virginia University)  
and Robert J. Milner, PhD (UMMS)

**Please mark your calendars and watch for further information!**



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*Sponsored by: The Office of Research, Faculty Affairs and  
Worcester Polytechnic Institute*





SAVE THE DATE

**MAY 18, 2017**

UMass Center for mHealth and Social Media Conference:

## HOW DIGITAL HEALTH IS REVOLUTIONIZING MEDICINE



**Keynote Speaker:**  
**Dr. Gary Bennett**

**founder of Duke Digital  
at Duke University**

### featured speakers:

**Dr. Edwin Boudreaux, UMMS, Emergency Medicine**  
**Dr. Judson Brewer, UMMS, Medicine & Psychiatry**  
**Dr. Deepak Ganesan, UMass Amherst**  
**Dr. David McManus, UMMS, Medicine**  
**Dr. Sherry Pagoto, UMMS, Prev. & Behavioral Medicine**  
**Dr. Bengisu Tulu, WPI**  
**Dr. Molly Waring, UMMS, Quantitative Health Sciences**

Join us for the 1st Annual UMass mHealth and Social Media Conference.  
This free event will be held from 10am-3pm on May 18, 2017 in the  
Faculty Conference Room at UMass Medical School. Lunch will be provided.  
Space is limited! Registration information to come.

sponsored by:



UMASS Center for mHealth  
and Social Media



**#UMASSDIGITAL17**

## FUNDING and TRAINING OPPORTUNITIES

### UMCCTS SPARK Program

The UMass Center for Clinical and Translational Science SPARK (Small Pilot and Research Knowledge) Program provides pilot funding for hypothesis-driven clinical and translational research, as well as access to the [Clinical Research Center](#) and other [UMCCTS cores](#). The UMCCTS's priorities are to support studies that impact clinical care and research methodologies, support students and trainees, and provide access to funds to generate pilot and preliminary data for external grant submissions.



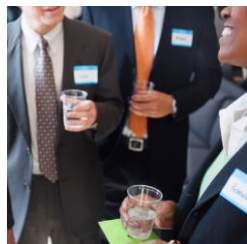
UMass Medical School investigators, including students, fellows, and staff are eligible for funding. Collaborations with external collaborators, including those from other UMass campuses is encouraged. Students and fellows may be designated as the PI on UMCCTS

resource requests and should list the mentor on the application and upload a letter of support. Only one PI may be designated on a request.

**No Deadline Date – Rolling Basis**

Questions? Contact [Nate Hafer, PhD](#)

[Read More](#)



### Small Conference Grants are Available!

The UMass Center for Clinical and Translational Science offers [Small Conference Grants \(SCG\)](#) designed to leverage the convening capacity of the UMCCTS to create new, multidisciplinary teams to address a pressing health need. The conference can be a symposium, educational program, seminar, workshop or any other organized and formal meeting. **The goal of the SCG is to facilitate networking opportunities between faculty that focus on clinical and translational research.**

**No Deadline Date – Rolling Basis**

If you have an idea for an event that a SCG could help fund, visit the UMCCTS website for more information and RFA or contact [Nate Hafer, PhD](#), Director of Operations, UMCCTS.

### 2017 ADDF–Harrington Scholar Award Accepting Letters of Intent



Alzheimer's  
**Drug Discovery**  
Foundation

The ADDF–Harrington Scholar Award supports research efforts that seek to prevent, treat or cure Alzheimer's disease, related dementias and cognitive aging.

**Deadline for letters of intent: March 17, 2017**

[Read More](#)

**Charles H. Hood Foundation**  
Child Health Research Awards Program

### Charles H. Hood Foundation Child Health Research Awards Program

The Charles H. Hood Foundation was incorporated in 1942 to improve the health and quality of life for children throughout New England. Today's research projects encompass many disciplines that have contributed to discoveries in pediatric medicine while launching the careers of promising junior faculty. The intent of the Award is to support newly **independent faculty**, provide the opportunity to demonstrate creativity, and assist in the transition to other sources of research funding. **Research projects must have direct relevance to child health.**

Online application deadline: March 29, 2017

[Read More](#)

### AbbVie Immunology Scholarship

AbbVie has launched the AbbVie Immunology Scholarship, which is designed to provide financial support for exceptional students living with inflammatory diseases\*, including Crohn's disease (CD) or ulcerative colitis (UC), as they pursue their higher education goals.

**Applications must be submitted by: March 31, 2017**

\*Scholarship available to students living with Crohn's disease (CD), ulcerative colitis (UC), rheumatoid arthritis (RA), juvenile idiopathic arthritis (JIA), psoriatic arthritis (PsA), ankylosing spondylitis (AS), uveitis (Uv), hidradenitis suppurativa (HS), or psoriasis.

[Read More](#)

### Centers for Therapeutic Innovation (CTI) Spring Call for Proposals

#### **Spring 2017 - Cycle 1**

[Pfizer's CTI Requests Proposals for Biotherapeutic and Small-Molecule Targets](#)

**Pre-Proposal Deadline: April 21, 2017**

[Pfizer's CTI and CCFA Request for Proposals for Biotherapeutic and Small-Molecule Targets](#)

**Pre-Proposal Deadline: April 21, 2017**

[The Alzheimer's Drug Discovery Foundation \(ADDF\) and Pfizer's CTI Request Small-Molecule Proposals](#)

**Pre-Proposal Deadline: April 21, 2017**

#### **Fall 2017 - Cycle 2**

*Pending October 2017*

### SAMHSA – New Grant Opportunities



[Up to \\$47.5 Million Available to Help People Experiencing Homelessness](#)

SAMHSA is accepting applications to support the development and/or expansion of community infrastructures that integrate behavioral health treatment and services for substance use, co-occurring mental and substance use disorders, permanent housing, and other critical services for individuals (including youth) and families experiencing homelessness.

**Deadline date to submit applications: April 25, 2017**

### [Up to \\$6 Million Available to Support the International AIDS Relief Addiction Technology Transfer Centers](#)

SAMHSA is accepting applications to support the International President's Emergency Plan for AIDS Relief (PEPFAR) Addiction Technology Transfer Centers programs in Vietnam, South Africa, and Ukraine. These programs seek to increase the capacity, skills and abilities of Vietnamese, South African and Ukrainian HIV/AIDS programs, governmental agencies, and PEPFAR programs to address problematic mental and substance use disorders and further the goals of national HIV prevention care, and treatment programs.

**Deadline date to submit applications: April 21, 2017**

### **Bill & Melinda Gates Foundation Grand Challenges Exploration**



The Bill & Melinda Gates Foundation is inviting proposals for the latest round of Grand Challenges Explorations. Grand Challenges Explorations fosters early-stage discovery research to expand the pipeline of ideas for solving our greatest global health and development challenges.

**Applications are accepted on the following four topics until May 3, 2017:**

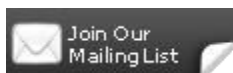
- [Health Systems Strengthening: Ensuring Effective Health Supply Chains](#)
- [New Approaches for Improving Timeliness of Routine Immunizations in Low-Resource Settings](#)
- [Wearables and Technology for Maternal, Neonatal and Child Health Behavior Change](#)
- [Innovations for Integrated Diagnostics Systems](#)



Please remember to cite the CTSA Grant # UL1-TR001453 in all supported journal publications.

The UMass Center for Clinical and Translational Science (UMCCTS) was founded in 2006 to enhance clinical and translational research across the five University of Massachusetts campuses and our clinical partner, UMass Memorial Health Care. With the receipt of an NIH Clinical and Translational Science Award (CTSA) in 2010, and its successful renewal in 2015, the UMCCTS joined a network of 62 NIH-funded centers collaborating to transform the conduct of clinical and translational research across the U.S. Other key partners include our patients and communities, foundations, biotechnology and pharmaceutical companies, and members of the venture capital and philanthropic communities.

We encourage you to browse through our [website](#) to learn more about how the UMCCTS catalyzes clinical and translational research through education and training, pilot funding programs, cores, services and collaboration.





UMass Center for Clinical and Translational Science, 362 Plantation Street,  
Ambulatory Care Center, 7th floor, Worcester, MA 01605

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